

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. – 226. (Canceled)

227. (Currently amended) A library comprising a collection of ~~members genetic packages that display a member of a diverse family, the family comprising a diversity of~~ peptides, polypeptides or proteins ~~and that collectively display at least a portion of the family, wherein the displayed peptides, polypeptides or proteins are being~~ encoded by DNA sequences comprising sequences encoding

(a) a VH CDR1 having an amino acid sequence according to the formula -X₁-Y-X₂-M-X₃-, wherein X₁, X₂, and X₃ are independently selected from the group consisting of A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W, and Y, and

(b) a VH CDR2 having an amino acid sequence according to the formula X₄-I-X₅-X₆-S-G-G-X₇-T-X₈-Y-A-D-S-V-K-G-, wherein X₄ and X₅ are independently selected from the group consisting of Y, R, W, V, G, and S, X₆ is selected from the group consisting of P and S, and X₇ and X₈ are independently selected from the group consisting of A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W, and Y.

228. (Previously presented) The library according to claim 227, wherein said DNA sequences further comprise a sequence encoding a VH CDR3.

229. (Previously presented) The library according to claim 228, wherein said VH CDR3 is a VH CDR3 captured from the CDR3 region of an immunoglobulin gene from a B cell.

230. (Previously presented) The library according to claim 229, wherein said DNA sequences further comprise a sequence encoding an immunoglobulin light chain.

231. (Previously presented) The library according to claim 229, wherein said sequence encoding an immunoglobulin light chain is captured from a B cell.

232. (Previously presented) The library according to claim 231, wherein said B cell is isolated from a blood sample from an autoimmune patient.

233. (Previously presented) The library according to claim 232, wherein the autoimmune patient is diagnosed with a disorder selected from the group consisting of systemic lupus erythematosus, systemic sclerosis, rheumatoid arthritis, antiphospholipid syndrome and vasculitis.

234. (Previously presented) The library according to claim 233, wherein said DNA sequences further comprise sequences encoding VH 3-23 framework regions.

235.-239. (Canceled)

240. (Previously presented) The library according to claim 228, wherein said DNA sequences further comprise a sequence encoding an immunoglobulin light chain.

241.-242. (Canceled)

243. (Previously presented) The library according to claim 227, wherein said DNA sequences further comprise sequences encoding VH 3-23 framework regions.

244.-247. (Canceled)

248. (Currently amended) The library according to claim 227, wherein said ~~displayed~~ peptides, polypeptides, or proteins are linked via ~~displayed through~~ a short linker to the final portion of M13 gene III.

249. (New) The library according to claim 234, wherein the diversity of peptides, polypeptides, or proteins is displayed on genetic packages.

250. (New) The library according to claim 249, wherein said genetic packages are M13 phage.

251. (New) The library according to claim 250, wherein said DNA sequences are in a phage vector.

252. (New) The library according to claim 251, wherein said phage vector comprises a wild-type gene iii and a truncated gene iii for display of the antibody.

253. (New) The library according to claim 250, wherein said DNA sequences are in a phagemid vector.

254. (New) The library according to claim 250, wherein said displayed peptides, polypeptides, or proteins are linked via a short linker to the final portion of M13 gene III.

255. (New) The library according to claim 227, wherein the diversity of peptides, polypeptides, or proteins is displayed on genetic packages.

256. (New) The library according to claim 255, wherein said genetic packages are M13 phage.

257. (New) The library according to claim 256, wherein said DNA sequences are in a phage vector.

258. (New) The library according to claim 256, wherein said DNA sequences are in a phagemid vector.

259. (New) The library according to claim 256, wherein said displayed peptides, polypeptides, or proteins are linked via a short linker to the final portion of M13 gene III.

260. (New) The library according to claim 255, wherein the DNA sequences further comprise a sequence encoding a VH CDR3.

261. (New) The library according to claim 260, wherein said DNA sequences further comprise sequences encoding VH 3-23 framework regions.

262. (New) The library according to claim 260, wherein said genetic packages are M13 phage.